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| Michael T. Davis  WLPCS Pre-Calculus | | Units 1.5 & 1.6 Practice Quiz  October 3-4, 2017 | |
| Name: | |

1. Convert the quadratic equation  to vertex form
2. Convert the quadratic equation  to vertex form
3. Convert the quadratic equation  to vertex form
4. Convert the quadratic function  to standard form
5. Convert the quadratic function  to standard form
6. Convert the quadratic function  to factored form
7. Convert the quadratic function  to factored form
8. Without graphing, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
9. Without graphing, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
10. Without graphing, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
11. Without graphing, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
12. Without graphing, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
13. Determine an equation for the axis of symmetry and coordinates of the vertex of the parabola defined by the quadratic function 
14. Determine an equation for the axis of symmetry and coordinates of the vertex of the parabola defined by the quadratic function 
15. Determine an equation for the axis of symmetry and coordinates of the vertex of the parabola defined by the quadratic function 
16. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
17. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
18. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 

1. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 